

## Product datasheet for **RC224346A1V**

### Human OR2A7 (NM\_001005328) AAV Particle

#### Product data:

**Product Type:** AAV Particles  
**Tag:** Myc-DDK  
**Symbol:** OR2A7  
**Synonyms:** HSDJ0798C17; OR2A21  
**Mammalian Cell** None  
**Selection:**  
**Vector:** pAAV-AC-Myc-DDK (PS100089)  
**ORF Nucleotide Sequence:** >RC224346 representing NM\_001005328  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGGGACAATATAACATCCATCACAGAGTTCCTCCTACTGGGATTTCCCGTTGGCCCAAGGATTCAGA  
TGCTCCTCTTTGGGCTCTTCTCCCTGTTCTACGTCTTACCCTGCTGGGAACGGGACCATACTGGGGCT  
CATCTCACTGGACTCCAGACTGCACGCCCCATGACTTCTTCTCTCACACCTGGCGGTCGTCGACATC  
GCCTACGCCTGCAACACGGTGCCCCGGATGCTGGTGAACCTCCTGCATCCAGCCAAGCCCATCTCCTTTG  
CGGGCCGCATGATGCAGACCTTTCTGTTTTCCACTTTTGTGTGCACAGAATGTCTCCTCCTGGTGGTGAT  
GTCTATGATCTGTACGTGGCCATCTGCCACCCCTCCGATATTTGGCCATCATGACCTGGAGAGTCTGC  
ATCACCTCGCGGTGACTTCTGGACCACTGGAGTCCTTTATCCTTGATTCACTTTGTGTTACTTCTAC  
CTTTACCTTCTGTAGGCCCCAGAAAATTTATCACTTTTTTTGTGAAATCTTGGCTGTTCTCAAATTGC  
CTGTGCAGATACCCACATCAATGAGAACATGGTCTTGCCGGAGCAATTTCTGGGCTGGTGGGACCCTTG  
TCCACAATTGTAGTTTCATATATGTGCATCCTCTGTGCTATCCTTCAGATCCAATCAAGGGAAGTTCAGA  
GGAAAGCCTTCTGCACCTGCTTCTCCACCTCTGTGTGATTGGACTCTTTATGGCAGGCCATTATCAT  
GTATGTTGGACCCAGATATGGGAACCCCAAGGAGCAGAAGAAATATCTCCTGCTGTTTCACAGCCTCTTT  
AATCCCATGCTCAATCCCCTTATCTGTAGTCTTAGGAAGTCAAGTGAAGAATACTTTGAAGAGAGTGC  
TGGGAGTAGAAAGGGCTTTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;RC224346 representing NM_001005328</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MGDNITSITEFLLLGFPVGPRIQMLLFGLFSLFYVFTLLGNGTILGLISLDSRLHAPMYFFLSHLAVVDI<br/> AYACNTVPRMLVNLHPAKPISFAGRMMQTFLFSTFAVTECLLLVMSYDLYVAICHPLRYLAIMTWRVC<br/> ITLAVTSWTTGVLLSLIHLVLLPLPFCRPQKIYHFFCEILAVLKLACADTHINENMVLAGASGLVGPL<br/> STIVVSYMCILCAILQIQSREVQRKAFCTCFSHLCVIGLFYGTAIIMYVGPRYGNPKEQKKYLLLFHSLF<br/> NPMLNPLICSLRNSEVKNTLKRVLGVERAL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| <b>Species:</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ACCN:</b>             | NM_001005328                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ORF Size:</b>         | 930 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Buffer:</b>           | PBS with 0.001% Pluronic F68                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Stability:</b>        | AAV is stable for 1 year when stored at -80°C (long-term storage) or 2-3 weeks when stored at -20°C (short-term storage). Thaw the vial of AAV on ice prior to use and keep it on ice during the experiment. Thawed AAV can be stored at 4°C for 1-2 weeks. Whenever possible, particles should be aliquoted into single use portions to avoid repeated freeze/thaw cycles. Please aliquot at least 10ul per tube and use low protein binding tubes to avoid loss of virus.  |
| <b>RefSeq:</b>           | <a href="#">NM_001005328.1</a> , <a href="#">NP_001005328.1</a>                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>RefSeq Size:</b>      | 933 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>RefSeq ORF:</b>       | 933 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Locus ID:</b>         | 401427                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID:</b>       | <a href="#">Q96R45</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Cytogenetics:</b>     | 7q35                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>MW:</b>               | 34.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |